

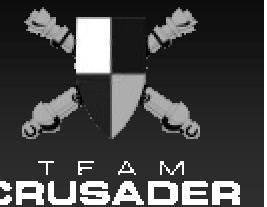
Crusader ... It's Not Your Dad's Combat Vehicle



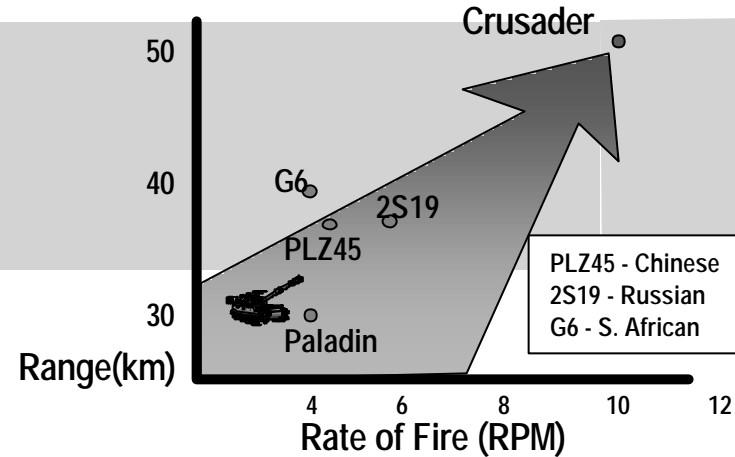
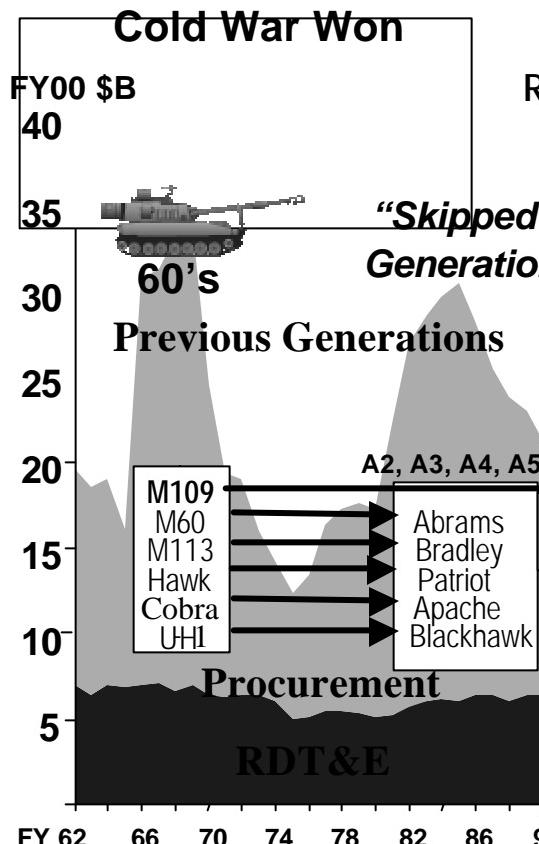
NDIA Firepower Symposium

June 2001

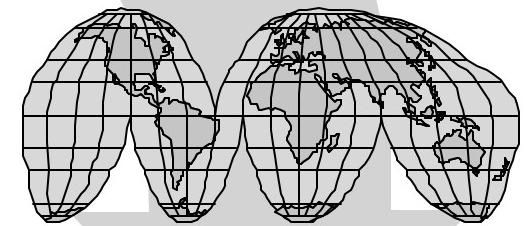
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Number of Pages 15		



World Changed ... Army Transforming



Technology & World Changing

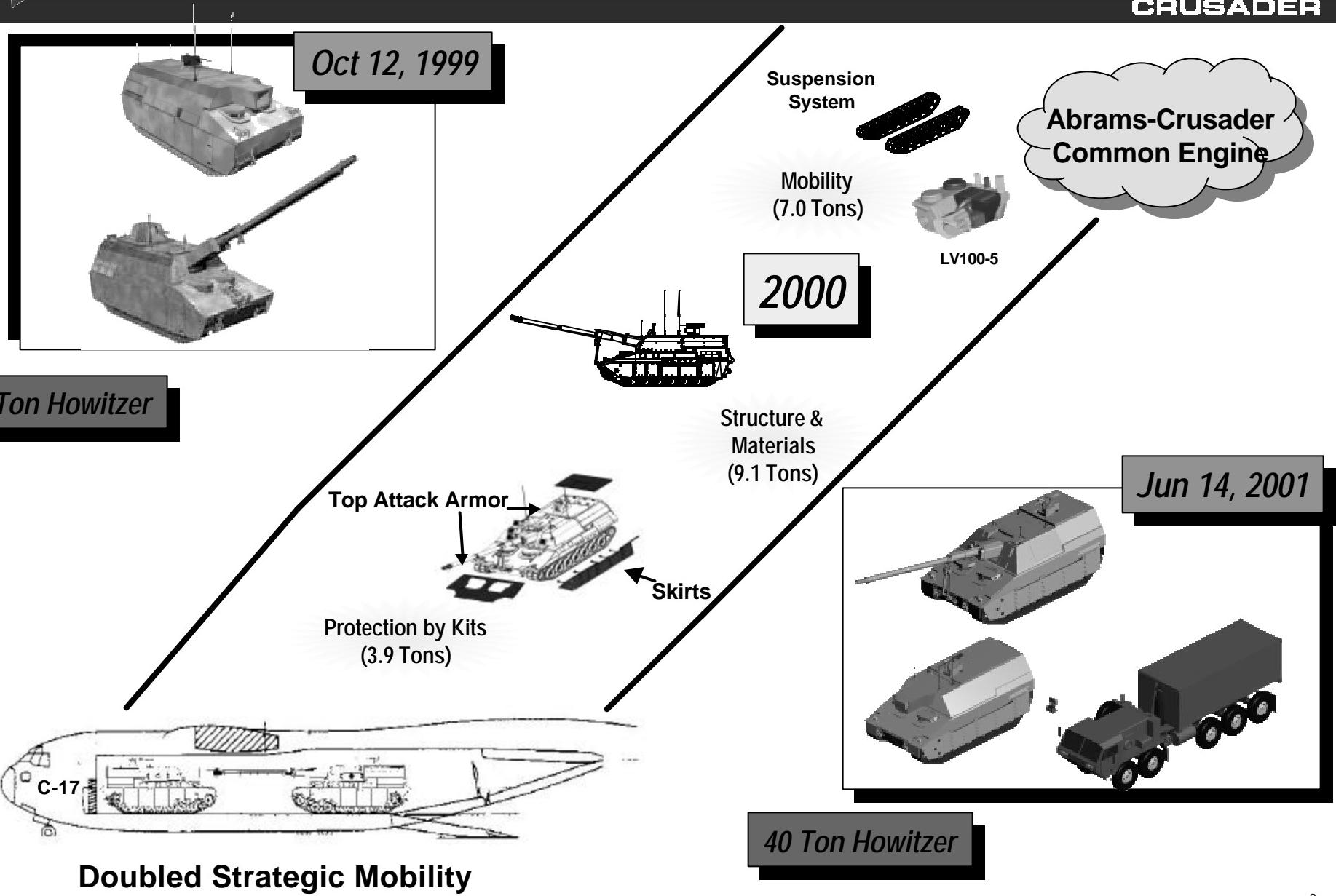


- ❖ Revolution in Military Affairs
- ❖ Regional Instability
- ❖ Threat Sophistication

Army Transformation

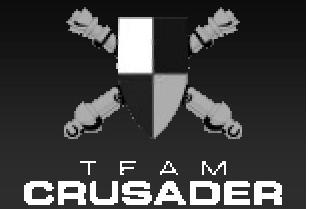


Transformation In Design





Requirements Provide . . .



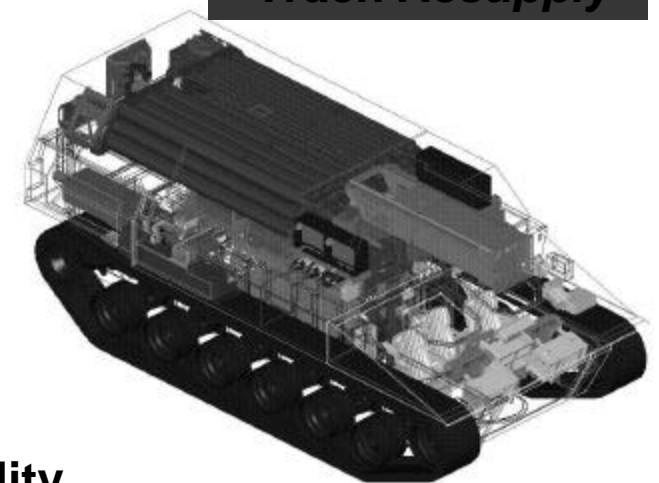
Howitzer



Unprecedented Attack System

State of the Art Cockpit

Track Resupply



Unmatched Soldier/System Survivability

Wheel Resupply

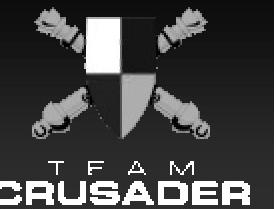


Unparalleled Mobility

Only Robotic Firing & Resupply Systems in the World

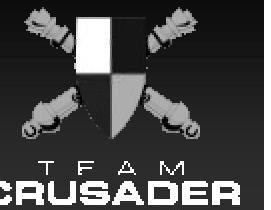


Why Crusader?



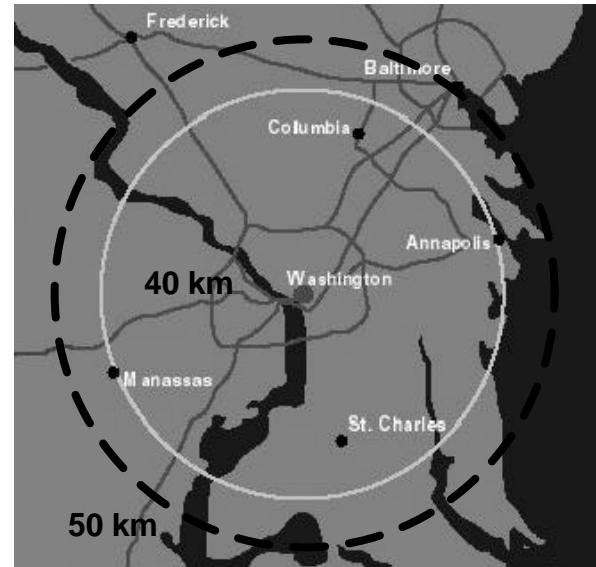
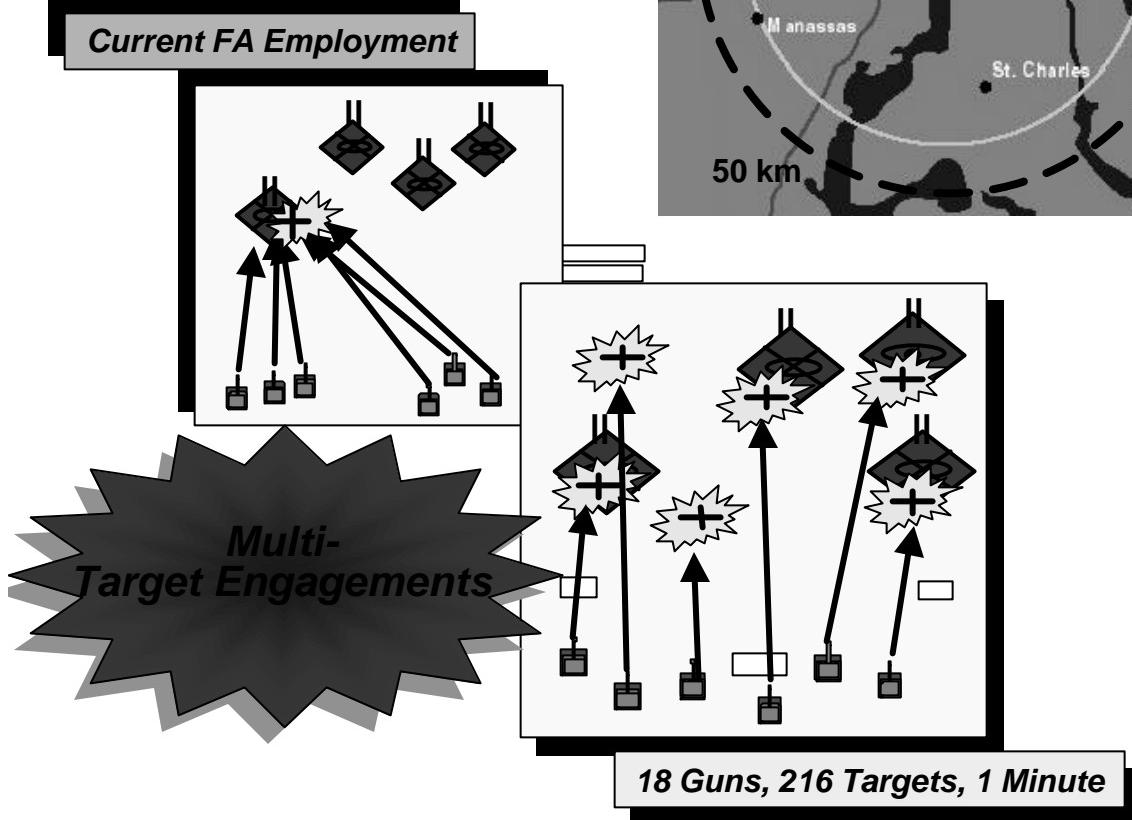
Crusader - Paladin Rate Of Fire Comparison





Point Man for Change

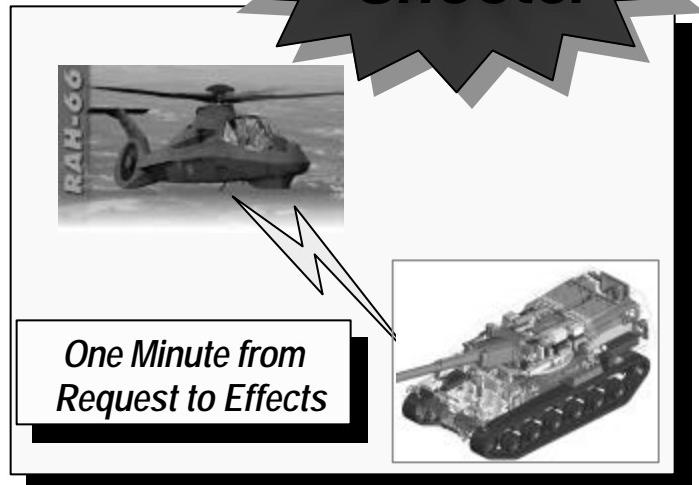
A Crusader Kills 48 Targets in 4 min Over 7850 Sq Km ...



Crusader Firing Excalibur

- Precision Strike .. 50+ KM
- 178% + Area Coverage
- Redskins to Ravens Reach

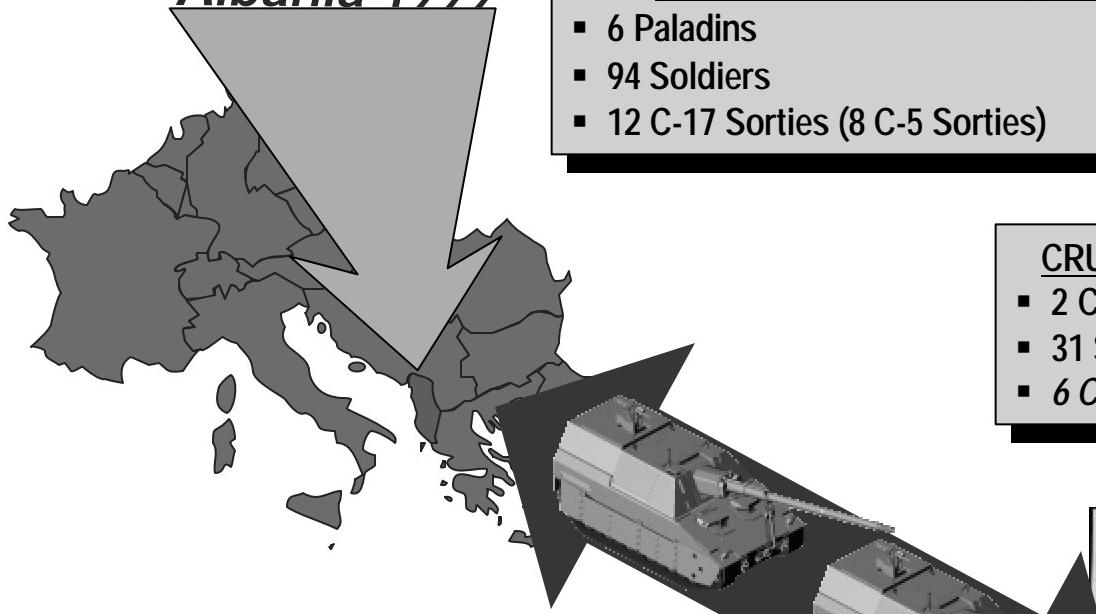
Sensor To Shooter





Force Augmentation

Albania 1999



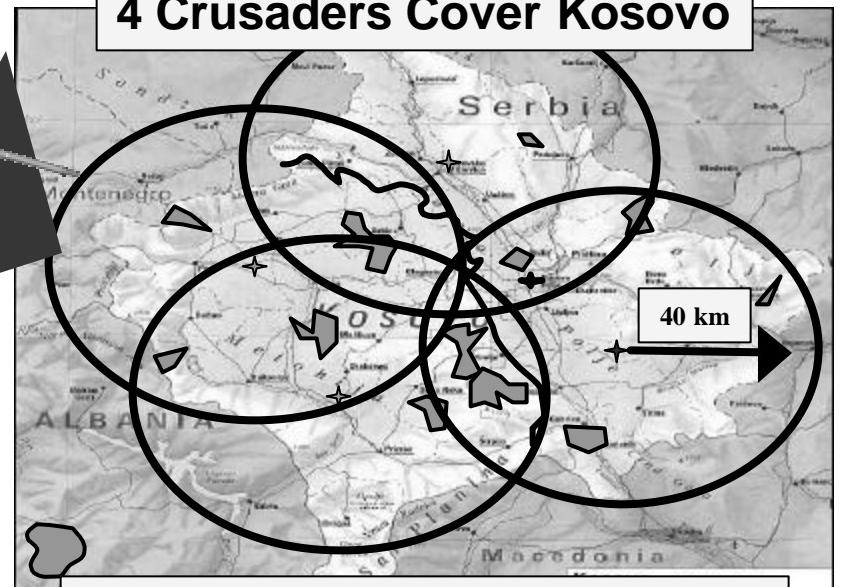
TF HAWK ARTILLERY PACKAGE (A/4-27 FA)

- 6 Paladins
- 94 Soldiers
- 12 C-17 Sorties (8 C-5 Sorties)

CRUSADER ARTILLERY PACKAGE

- 2 Crusaders
- 31 Soldiers
- 6 C-17 Sorties (4 C-5 Sorties)

4 Crusaders Cover Kosovo

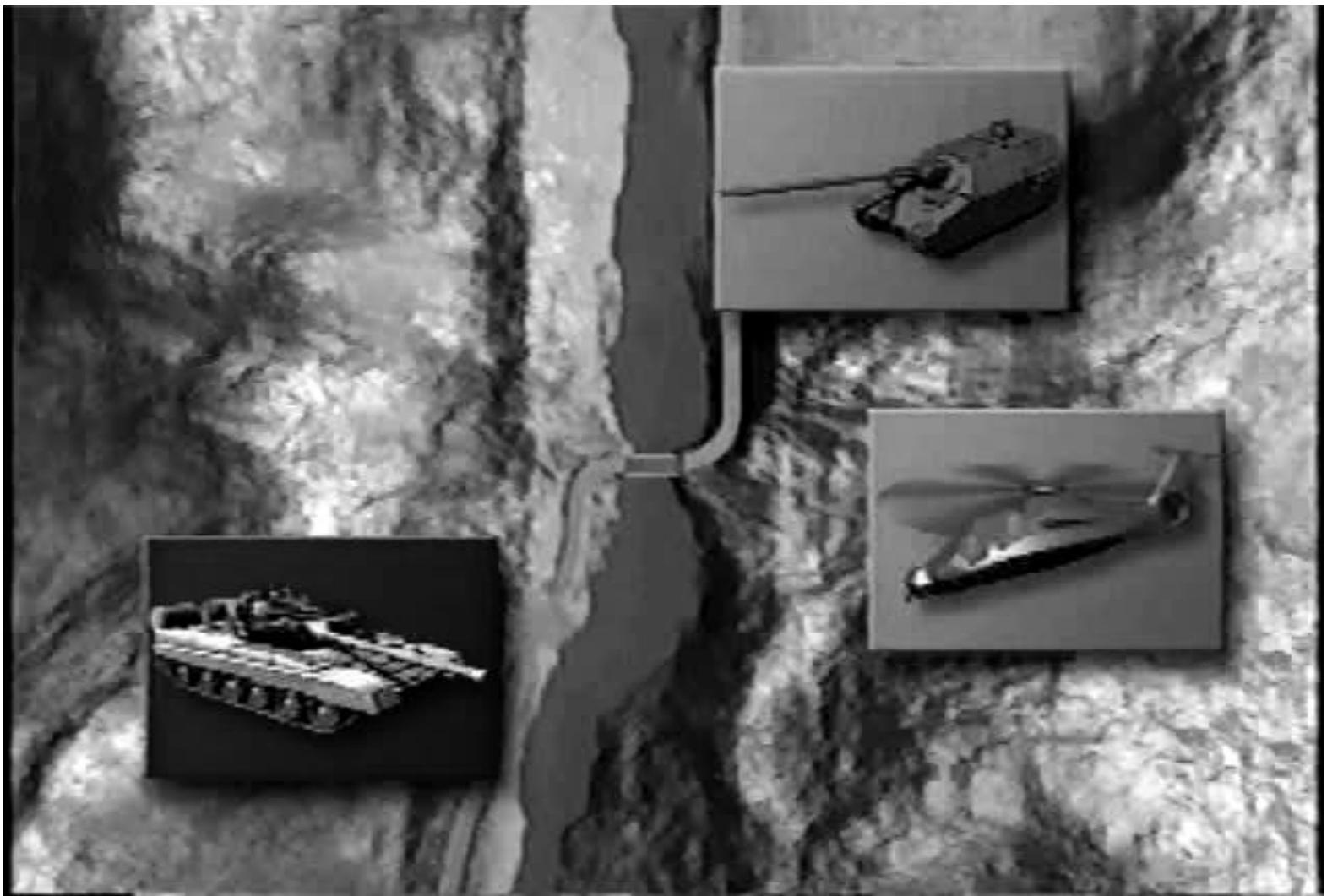
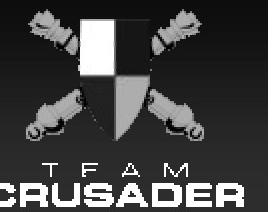


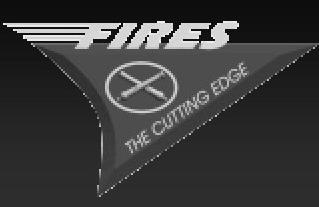
- **50% Less Strategic Lift**
- **Smaller Logistical Tail**
- **Greater Firepower**

Asymmetrical Environment

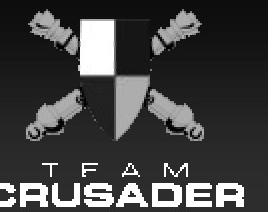


Fire Mission Sequence (1)



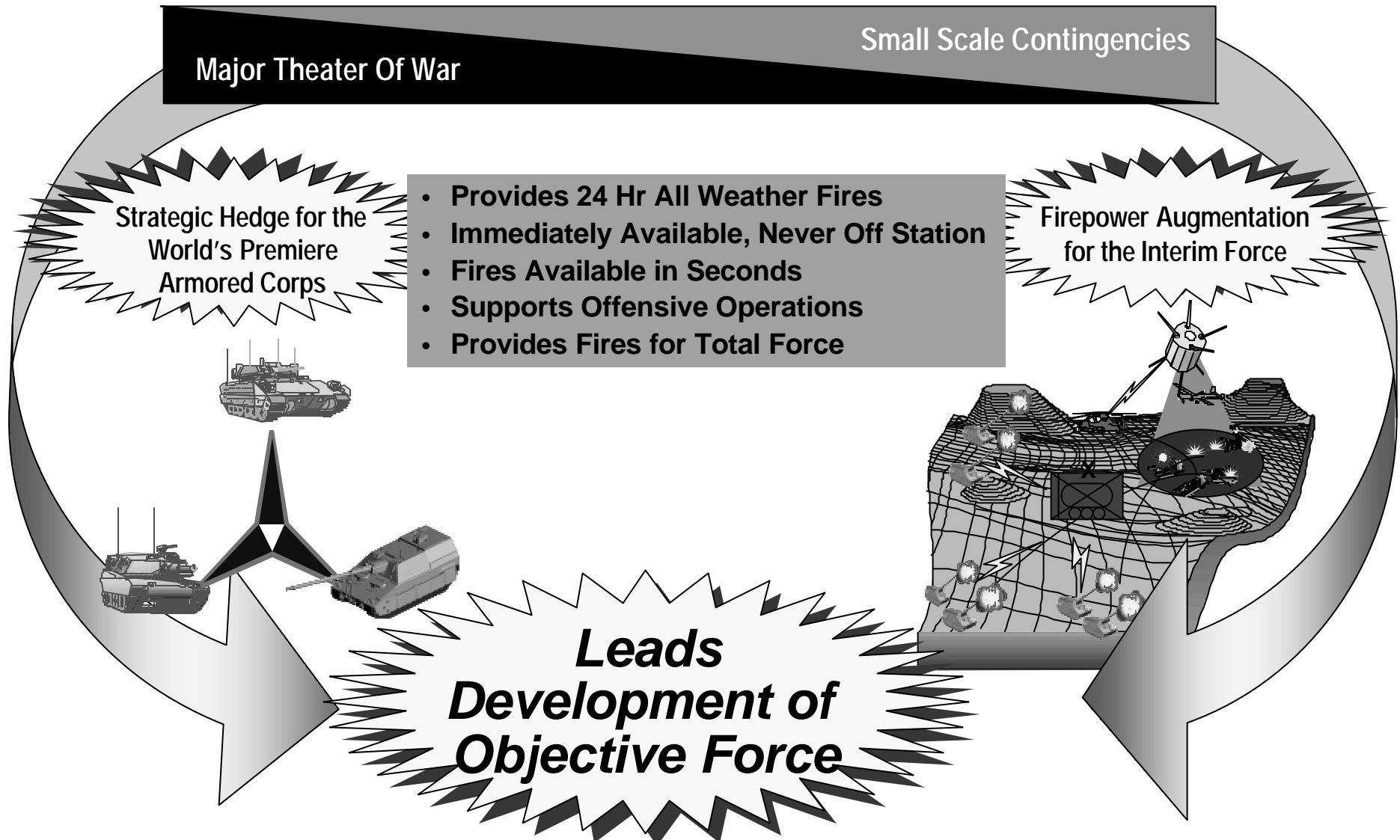
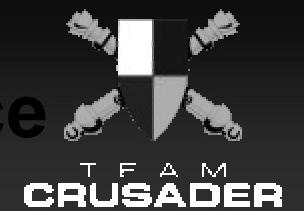


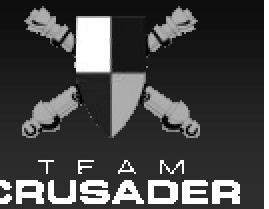
Resupply Sequence



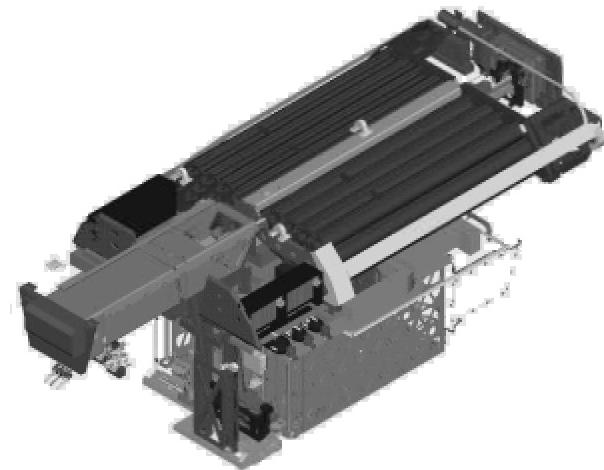
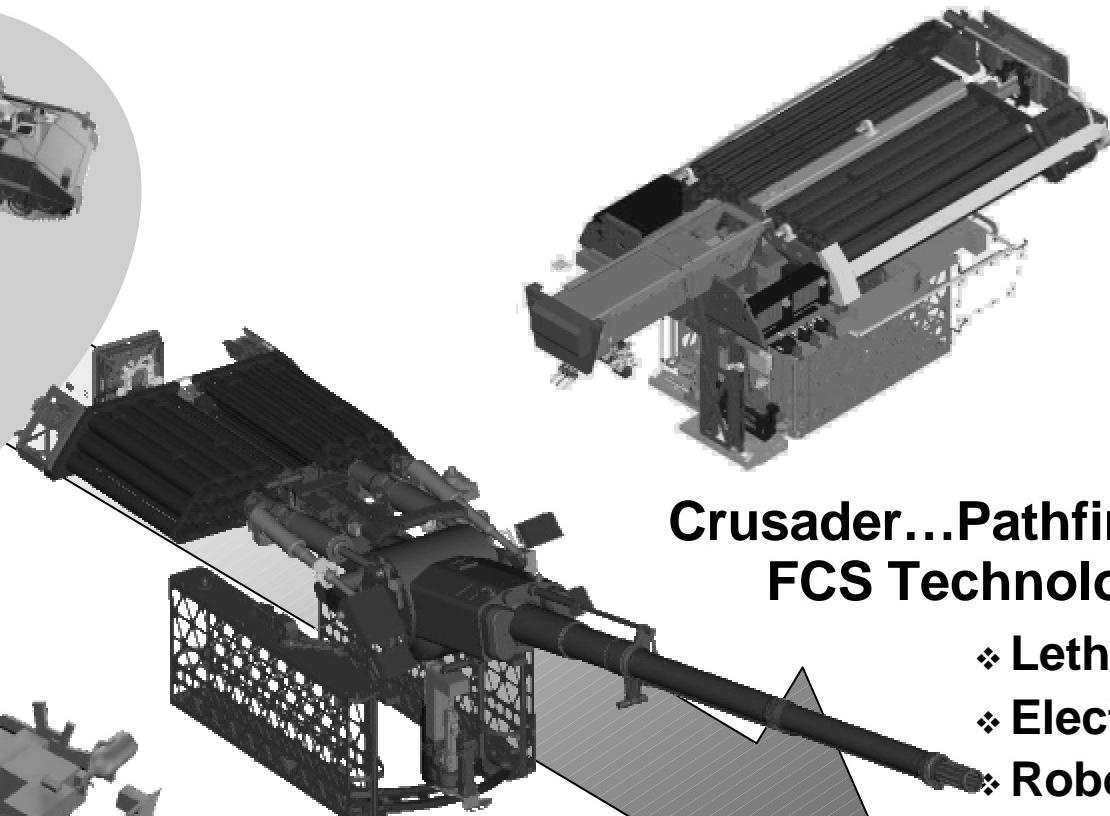
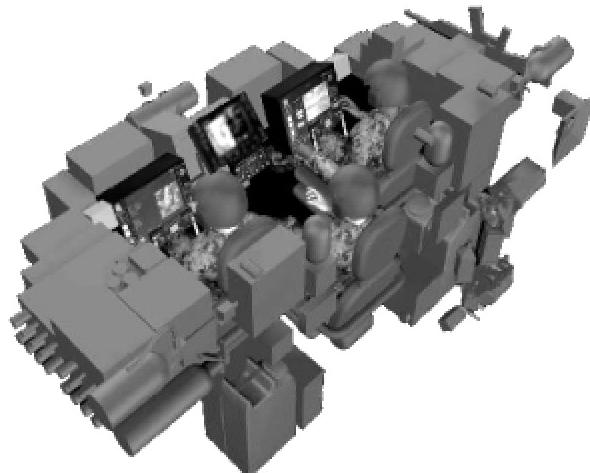
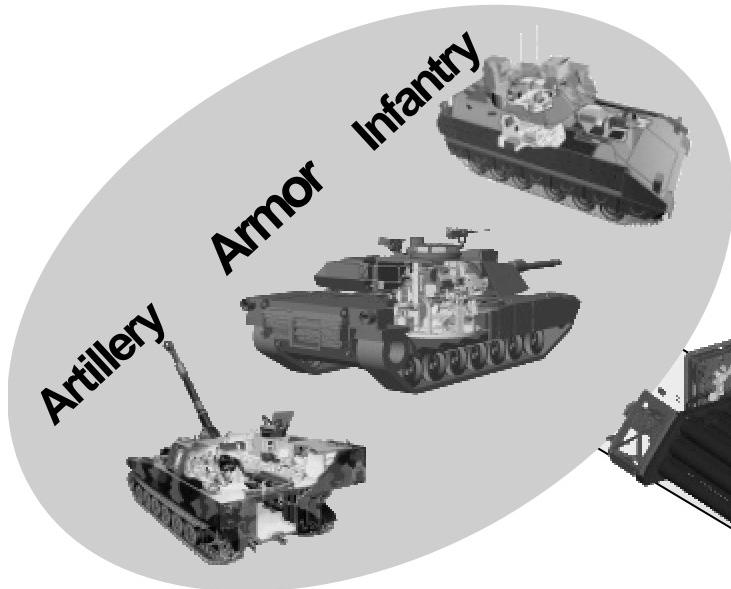


First Installment of the Objective Force





Design to Objective ...

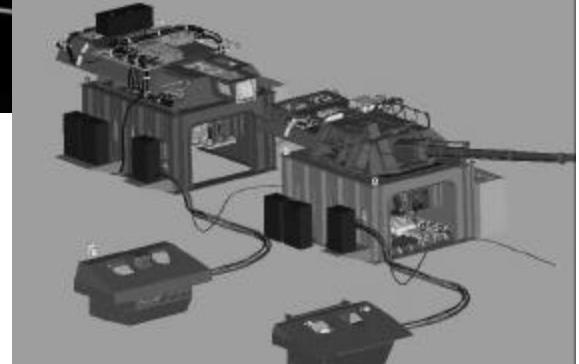
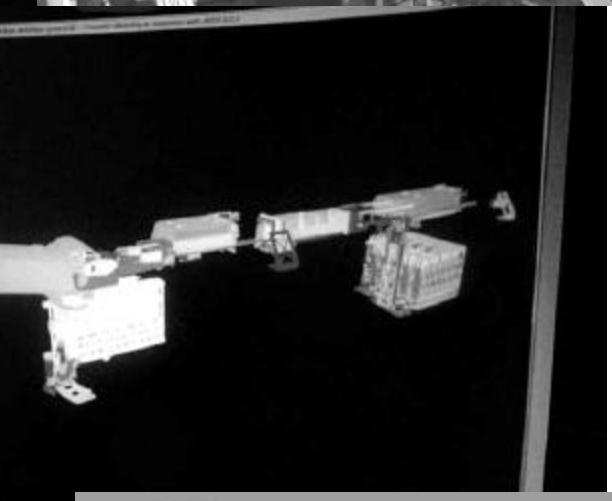
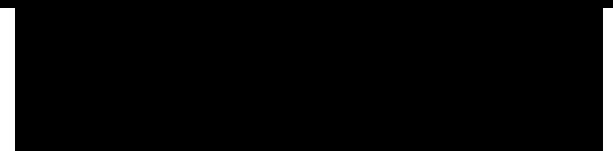


Crusader...Pathfinder for FCS Technology

- ❖ Lethality
- ❖ Electrical
- ❖ Robotics
- ❖ Cockpit
- ❖ Mobility
- ❖ C4ISR
- ❖ Resupply
- ❖ Survivability

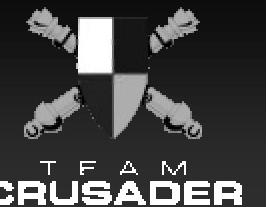


Beyond Boeing 777 Development Era ...

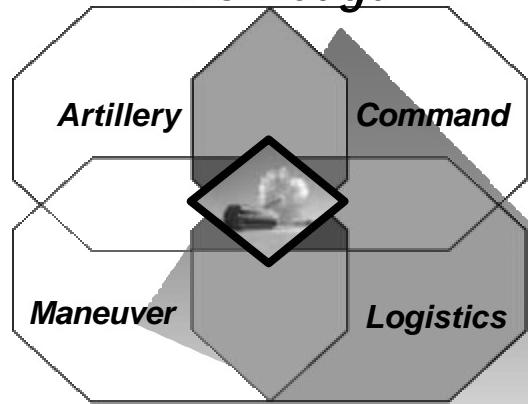




Crusader Leads Technology Integration

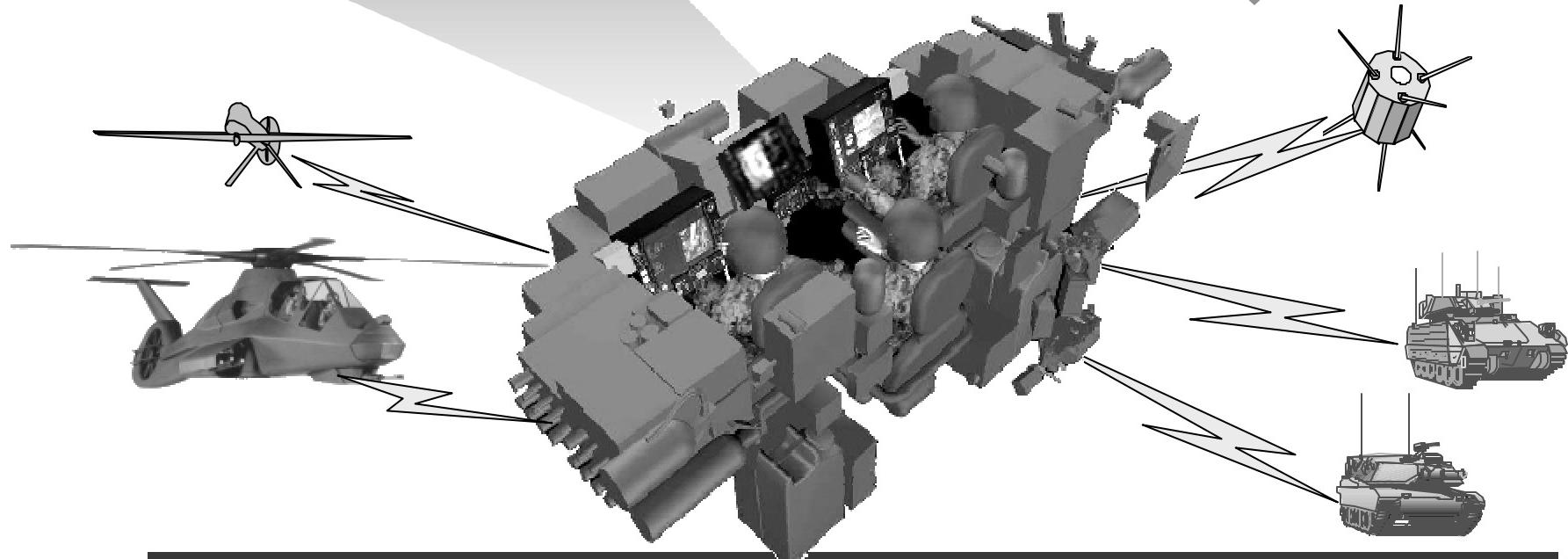


Integration of combat knowledge



System of Systems Development

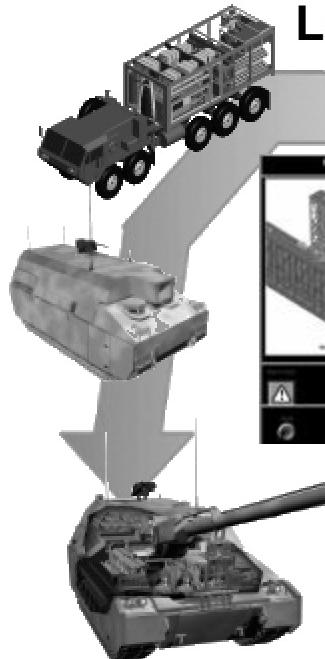
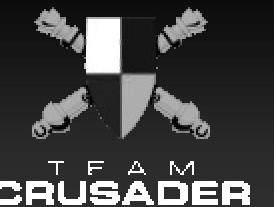
- ❖ Tactical Decision Process
- ❖ Leader Development
- ❖ Soldier - Machine Interface
- ❖ Intellectual Capital



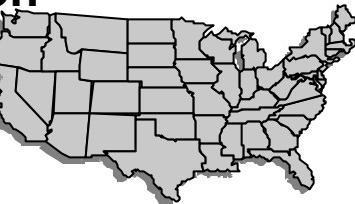
Enables Army-Industry Team's Transition to FCS!



Enabling Technologies for FCS

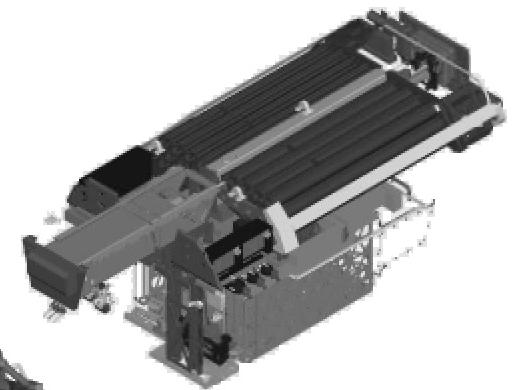
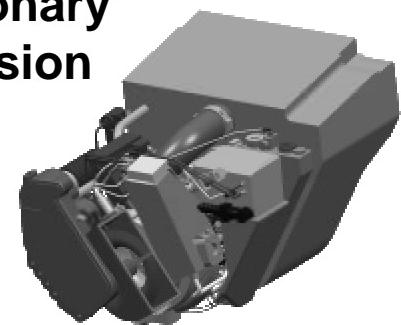


Logistics Revolution

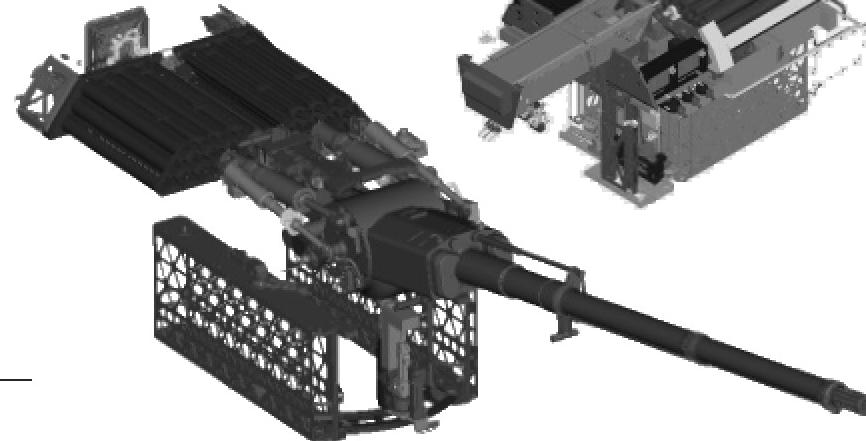
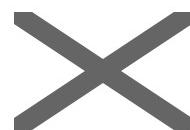
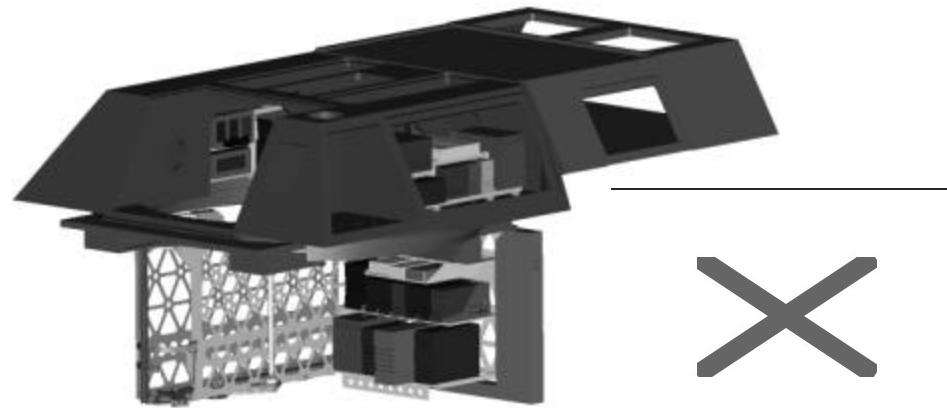


- ❖ Interactive Electronic Technical Manual (IETM)
- ❖ Robotic Fault Mgmt
- ❖ Log Situational Awareness
- ❖ Decision Aids

Evolutionary Propulsion



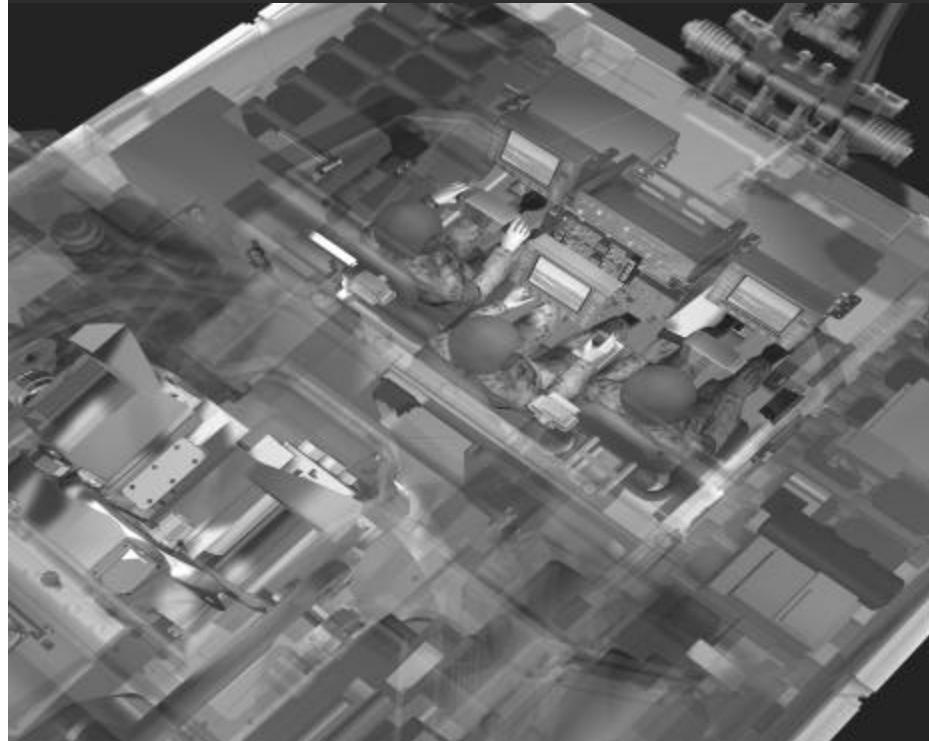
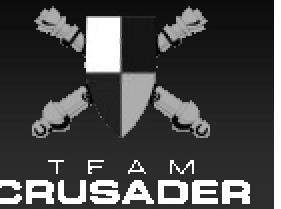
Advanced Materials & Production



Robotic Firing and Resupply



In Summary . . .



- Unique Design . . . Breaks Paradigm
- Technology Carrier . . . Design to Objective
- Transformation . . . Strategic Mobility
- Gain Overmatch . . . Tactical Agility
- Force Protection . . . Responsive Firepower
- Warfighting System . . . Keeps Soldiers Alive
- Program . . . On Cost, Schedule, Performance

With Crusader, the Army's Force Wins
Decisively

First Installment of the Objective Force